

This listing of claims will replace the originally filed claims in the application.

Listing of Claims

Claims 1 and 2: Cancelled

3. (Currently Amended) An implanted sensor for measuring pressure in a conduit through a wall, the implanted sensor comprising:

a main body having an implant inductor; [and]

a probe with a capacitor electronically connected to the implant inductor, the probe being adapted to fit through the wall so that the capacitor can sense pressure in the conduit;

a neck portion extending outwardly from the probe to a head portion, the head portion being generally conical in shape to penetrate through and then lockingly engage the wall; and

a terminus of the head portion forming an aperture that is covered with a flexible membrane that defines an internal chamber,

wherein the internal chamber is filled with a biocompatible fluid and wherein the capacitor is operatively positioned adjacent the internal chamber for measuring pressure within the conduit through the biocompatible fluid.

Claims 4-9: Cancelled